

Name.....

Index No...../.....

School.....

Date

Candidate's Signature.....

312/1

GEOGRAPHY

Paper 1

JULY/AUGUST 2012

Time: 2 ¾ HOURS

TESO SOUTH DISTRICT JOINT EVALUATION TEST

Kenya Certificate of Secondary Education (K.C.S.E)

INSTRUCTIONS TO CANDIDATES

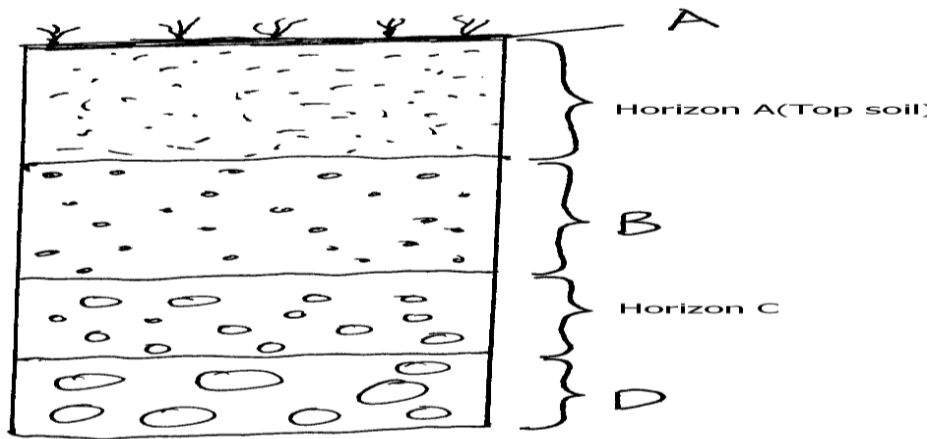
- This paper has Two sections: A and B
- Answer all the question in section A.
- In section B answer question 6 and any other two questions
- All answer must be written in the answer booklet provided

*This paper consists of 4 printed pages.
Candidates should check the question paper to ensure that all
pages are printed as indicated and no questions are missing*

SECTION A

Answer all the questions in this section in the spaces provided

1. a) Give the name of the force responsible for the:
- i) Flattening at the poles of the earth. (1 mark)
 - ii) Bulging at the equator. (1 mark)
 - iii) Rounding shape of the earth. (1 mark)
- b) Highlight two reasons why the interior of the earth is still very hot. (2 marks)
2. a) What do you understand by the term green house effect? (2 marks)
- b) Give two reasons why some weather recording instruments are stored inside a Stevenson screen. (2 marks)
- c) Name an instrument kept in Stevenson screen. (1 mark)
3. a) Differentiate between eluviations and salination in soil. (2 marks)
- b)



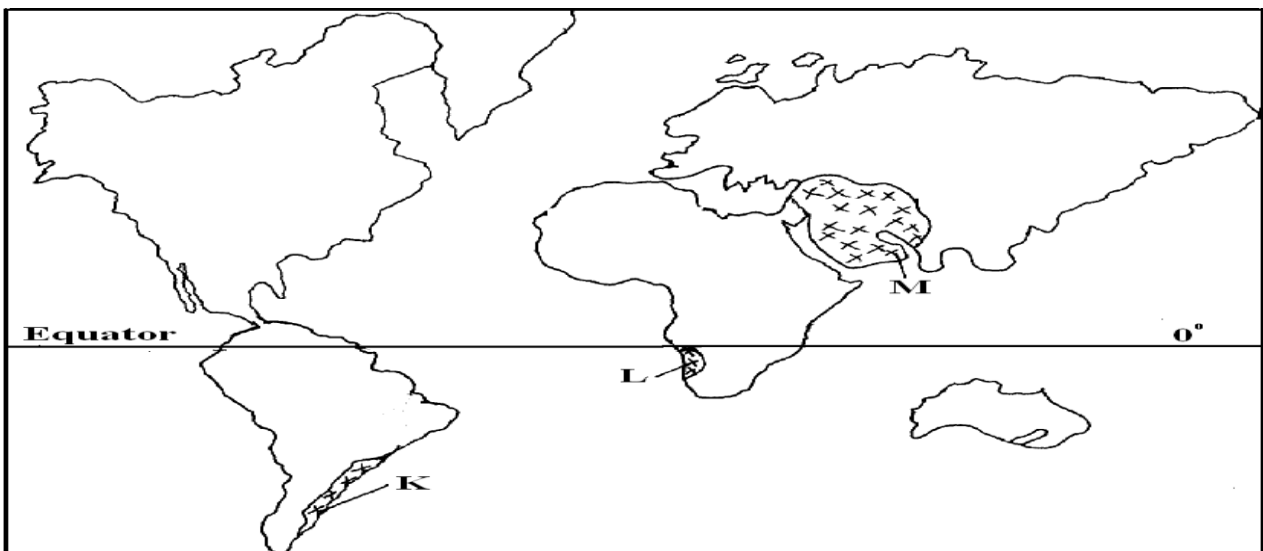
Study the diagram above and name the parts marked

- A (1 mark)
- B (1 mark)
- C (1 mark)
4. a) Define the term weathering. (2 marks)
- b) State three chemical weathering processes. (3 marks)
5. a) What is an artesian basin? (2 marks)
- b) State three conditions that favour the location of the artesian well. (3 marks)

SECTION B

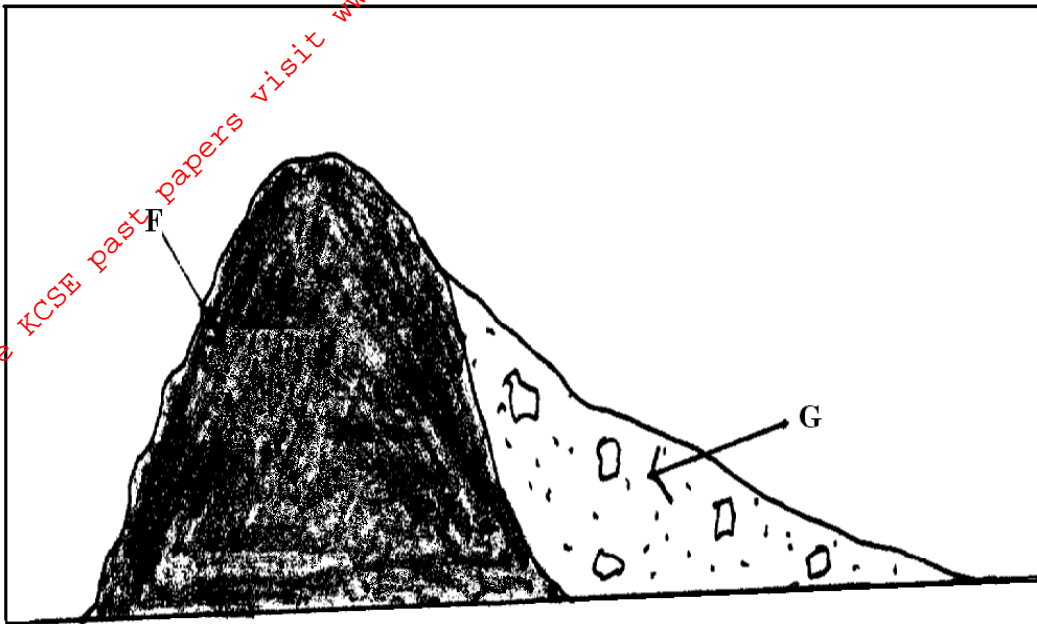
Answer question six and any other two questions

6. a) i) Give the four and six figure grid reference of cattle dip near Nkuene school (1 mark)
- ii) What is the bearing of the air photo principal point near Kagwa mpungu from Kieru coffee factory? (2 marks)
- iii) In reference to the marginal information given in the map, what was the magnetic variation in the year 1977? (2 marks)
- b) i) Describe the settlement in the area covered by the map. (3 marks)
- ii) Citing evidence from the map, explain three factors that have favoured coffee farming in Nkubu area. (6 marks)
- c) i) Using a vertical scale of 1 cm draw a cross section from grid reference 378905 to grid 429942. (5 marks)
- ii) On the cross section draw, mark and name the following. (1 mark)
- A hill (1 mark)
 - Secondary trigonometric station (1 mark)
 - A loose surface road. (1 mark)
- iii) Calculate the vertical exaggeration(V.E) of the cross section. (2 marks)
7. a) i) What is a desert? (2 marks)
- ii) State three characteristics of desert landforms. (3 marks)
- iii) State three factors that contributed to the development of deserts. (3 marks)
- b) i) Explain three factors that influence wind deposition in desert. (6 marks)
- ii) State three ways in which wind erosion take place in deserts. (3 marks)
- c) Use the map below to answer the following questions.



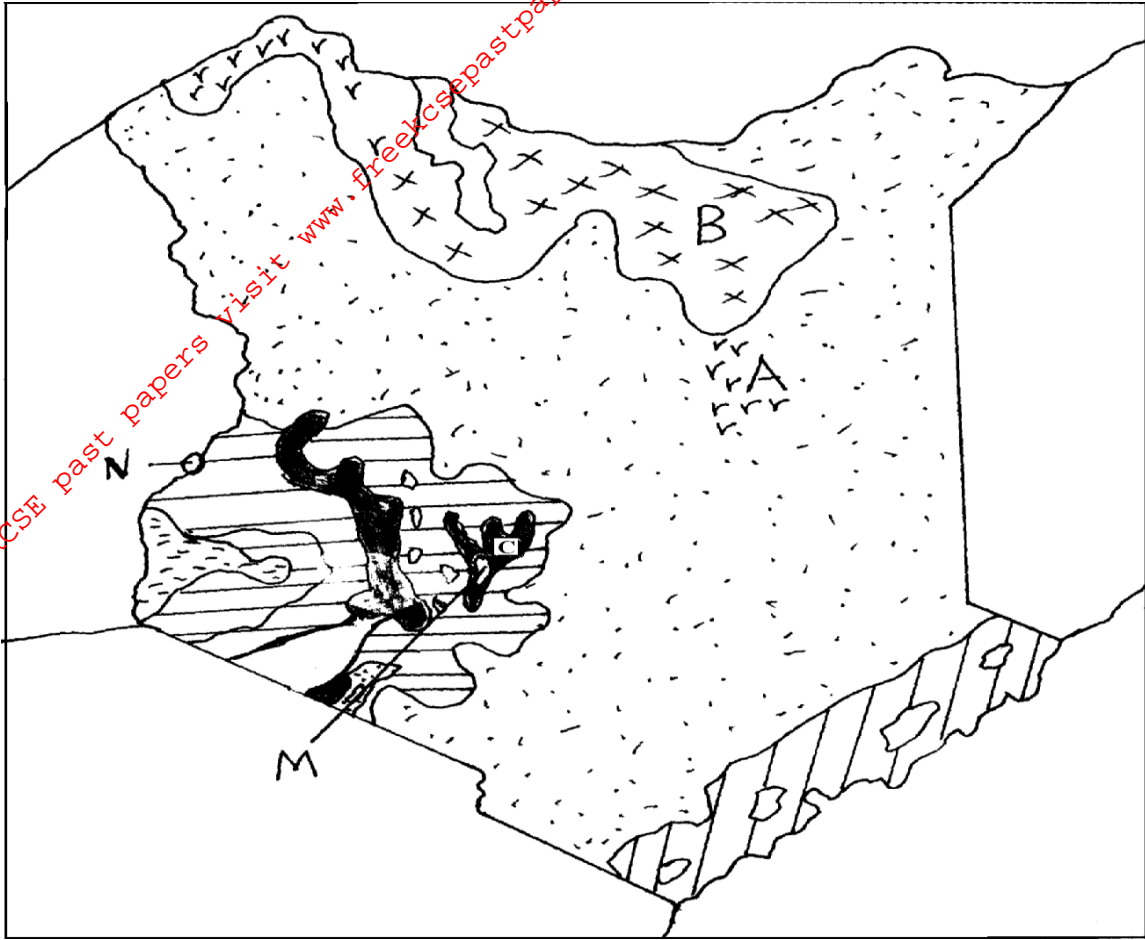
Name the desert marked K, L and M. (3 marks)

8. a) i) Differentiate between an ice cap and an iceberg. (2 marks)
- ii) Account for lack of ice sheets in Kenya. (2 marks)
- iii) Explain three factors that influence glacial erosion in highlands. (6 marks)
- b) Describe how an arête is formed. (4 marks)
- c) The diagram below is a glacial feature in lowland.



- i) What is the direction of the ice? (1 mark)
- ii) Name the parts F and G. (2 marks)
- d) Form 3 students of a school in Kenya intend to carry out a field study on glaciations.
- i) Suggest two possible areas of study they would visit in their country. (2 marks)
- ii) State three ways in which they would prepare for the study. (3 marks)
- iii) What problems are they likely to encounter in this kind of study? (3 marks)
9. a) i) Differentiate between derived vegetation and natural vegetation. (2 marks)
- ii) Explain three ways in which human activities have influenced distribution of vegetation in Kenya. (6 marks)
- b) Name the temperate grasslands found in the following countries:
- Canada (1 mark)
 - South Africa (1 mark)
 - Argentina (1 mark)
 - Australia (1 mark)

c) Study the map below and answer the following questions:



i) Name the vegetation zones B and C. (2 marks)

ii) Highlight four characteristics of the vegetation type marked A. (4 marks)

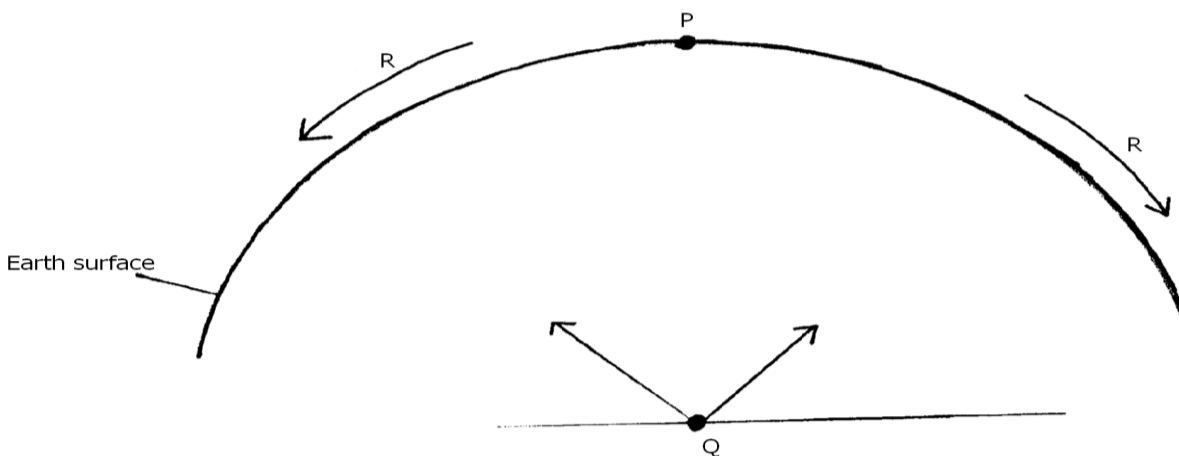
d) You are supposed to carry out a field study on the uses of vegetation around your school.

i) Give three reasons why reconnaissance is necessary. (3 marks)

ii) Give four uses of vegetation you are likely to identify during the study. (4 marks)

10. a) i) Define the term tsunami. (2 marks)

ii) The diagram below shows the mechanisms of earthquakes



Name the parts labeled P, Q and R. (3 marks)

- b) i) Using illustrations, describe three types of earthquakes waves. (9 marks)
- ii) Explain four proofs that the crust is in constant movement. (8 marks)
- c) State three ways in which the earth's crust is affected by the earthquakes. (3 marks)

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